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ACCESSION NUMBER: 2001:886128 HCAPLUS

DOCUMENT NUMBER: 136:20084

TITLE: Preparation of 5-amino-pyrazolo[4,3-e]-1,2,4-triazolo[1,5-c]pyrimidines as adenosine A2a receptor antagonists

INVENTOR(S): Neustadt, Bernard R.; Lindo, Neil A.;
Greenlee, William J.; Tulshian, Deen;
Silverman, Lisa S.; Xia, Yan;
Boyle, Craig D.; Chackalamannil, Samuel

PATENT ASSIGNEE(S): Schering Corporation, USA

SOURCE: PCT Int. Appl., 66 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

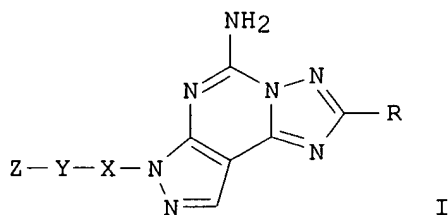
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001092264	A1	20011206	WO 2001-US16954	20010524
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002099061	A1	20020725	US 2001-865071	20010524
PRIORITY APPLN. INFO.:		US 2000-207143P P 20000526		
OTHER SOURCE(S):		MARPAT 136:20084		

GI



AB The title compds. [I; R = (un)substituted Ph, cycloalkenyl, heteroaryl; X = alkylene, COCH₂; Y = O, S, CH₂S, (CH₂)₂NH, etc.; Z = (un)substituted Ph, phenylalkyl heteroaryl, etc.; or Z and Y together are substituted piperidinyl or phenyl], useful in the treatment of Parkinson's disease, alone or in combination with other agents for treating Parkinson's disease, were prepd. and formulated. E.g., a multi-step synthesis of I [R

= 2-furanyl; X = (CH₂)₂; ZY = 4-(2,4-difluorophenyl)piperazin-1-yl] was described. Compds. I showed K_i of 0.3-57 nM against A_{2a} receptor binding.

IT 377727-46-3P 377728-08-0P 377728-34-2P

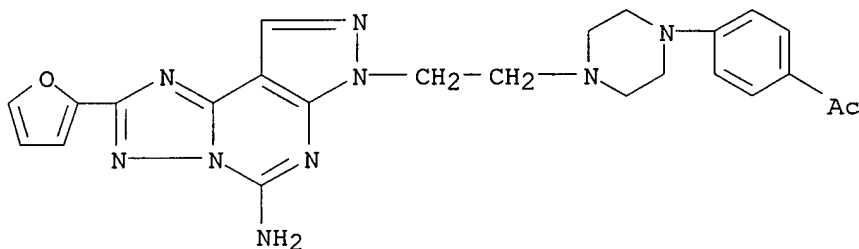
377728-77-3P 377729-42-5P 377729-43-6P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of 5-amino-pyrazolo[4,3-e]-1,2,4-triazolo[1,5-c]pyrimidines as adenosine A_{2a} receptor antagonists)

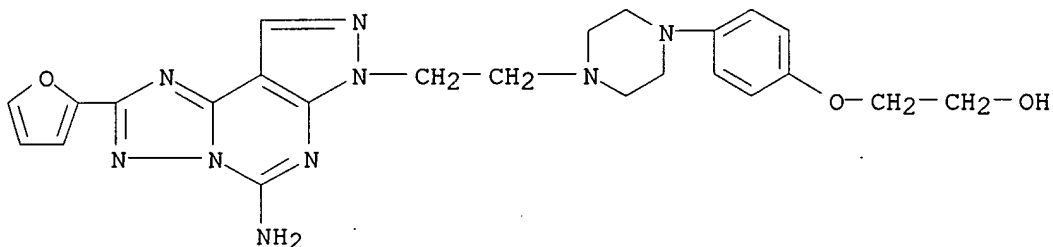
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CN Ethanone, 1-[4-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]phenyl]- (9CI)
(CA INDEX NAME)



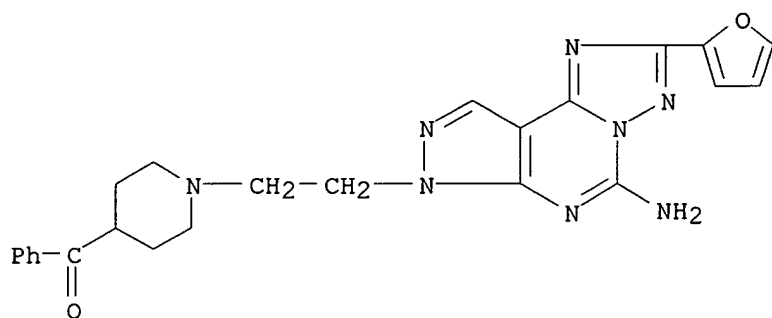
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CN Ethanol, 2-[4-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]phenoxy]- (9CI) (CA INDEX NAME)



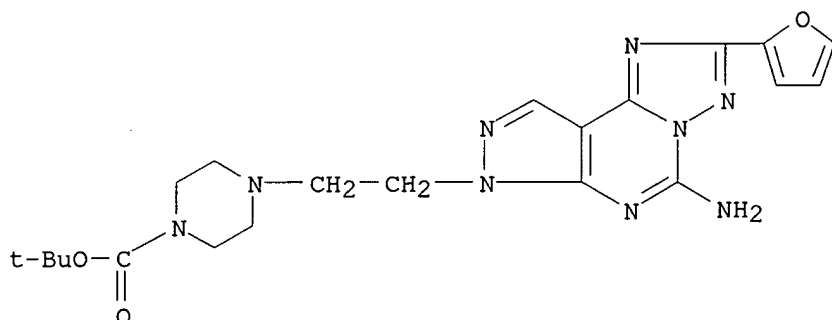
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CN Methanone, [1-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-4-piperidinyl]phenyl- (9CI)
(CA INDEX NAME)



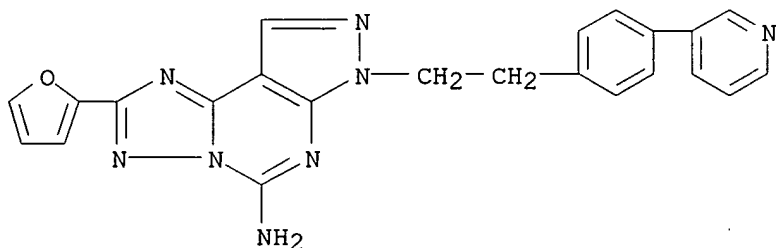
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CN 1-Piperazinecarboxylic acid, 4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



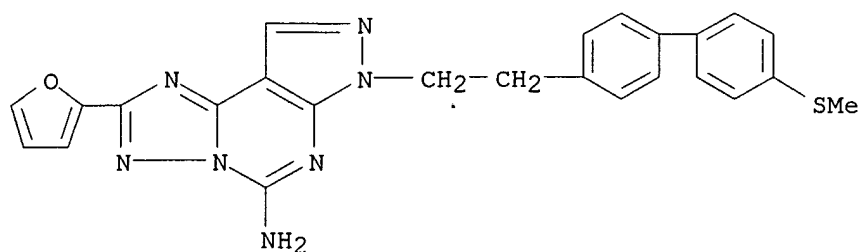
RN 377729-42-5 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine, 2-(2-furanyl)-7-[2-[4-(3-pyridinyl)phenyl]ethyl]- (9CI) (CA INDEX NAME)



RN 377729-43-6 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine, 2-(2-furanyl)-7-[2-[4'-(methylthio)[1,1'-biphenyl]-4-yl]ethyl]- (9CI) (CA INDEX NAME)



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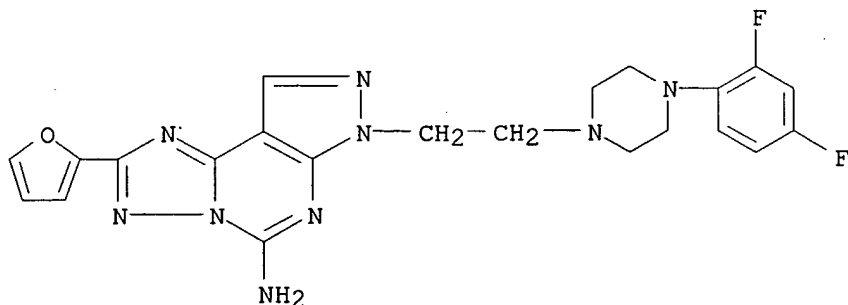
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(prepn. of 5-amino-pyrazolo[4,3-e]-1,2,4-triazolo[1,5-c]pyrimidines as
 adenosine A2a receptor antagonists)

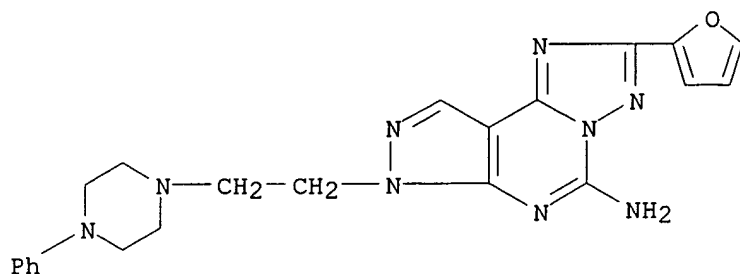
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CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2,4-difluorophenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
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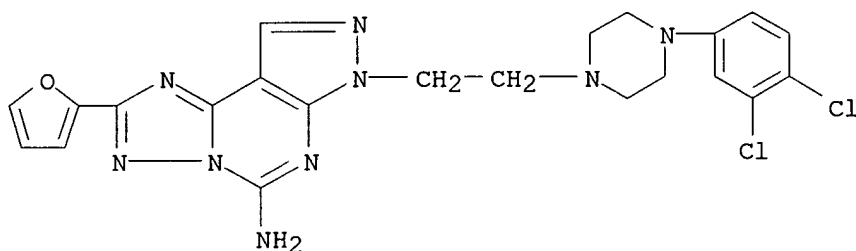


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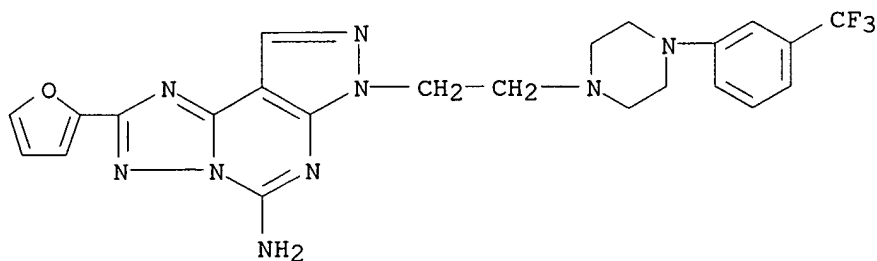
CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
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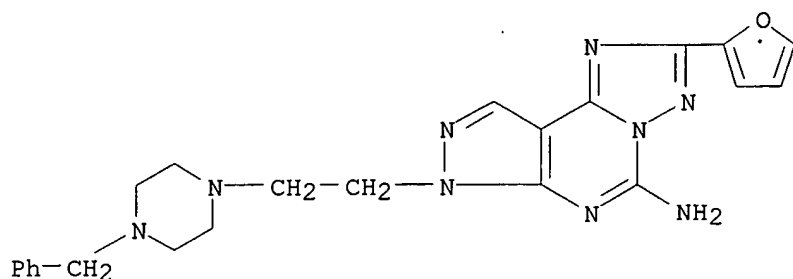
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(CA INDEX NAME)



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CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-[3-(trifluoromethyl)phenyl]-1-piperazinyl]ethyl]-
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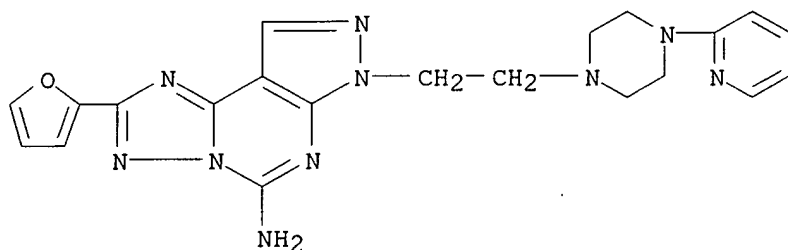


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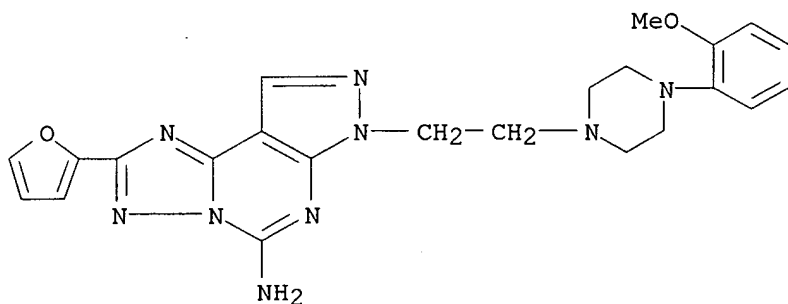
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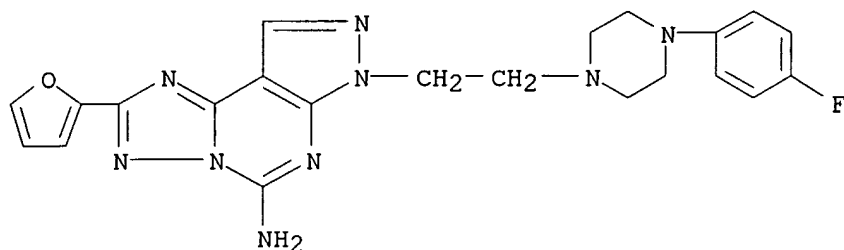
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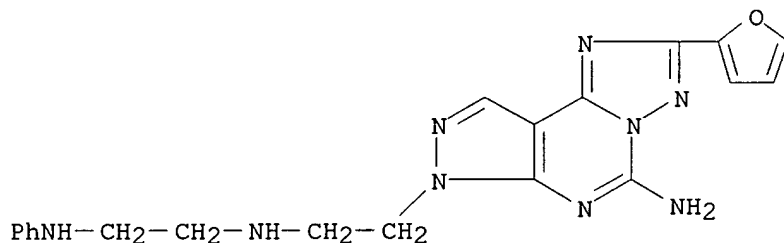
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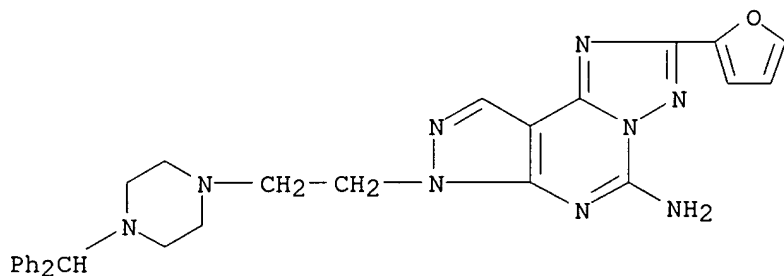
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CN 1,2-Ethanediamine, N-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-N'-phenyl- (9CI) (CA INDEX NAME)



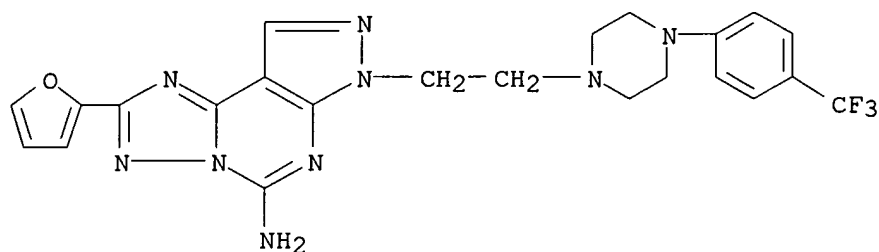
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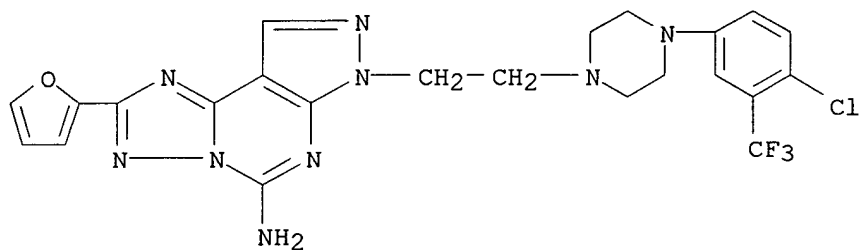
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CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine, 2-(2-furanyl)-7-[2-[4-[4-(trifluoromethyl)phenyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



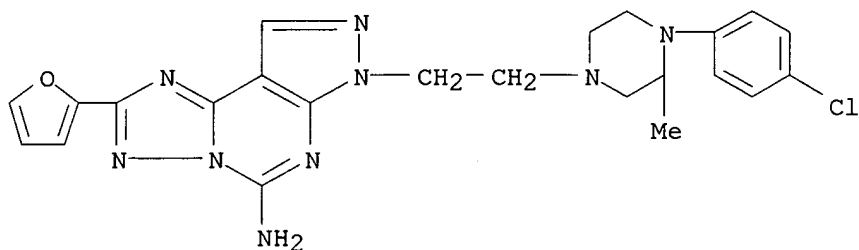
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CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
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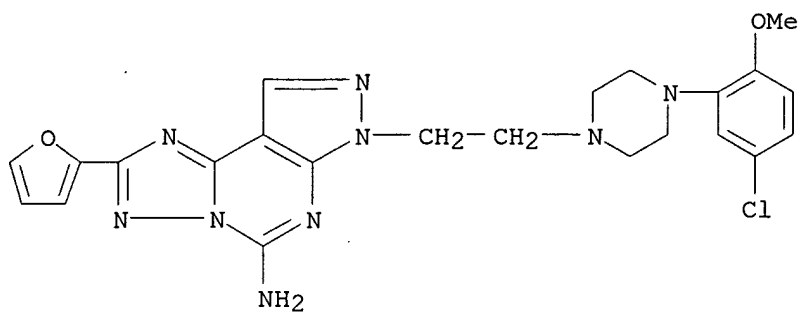
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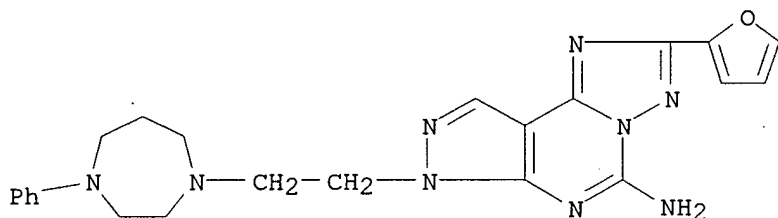


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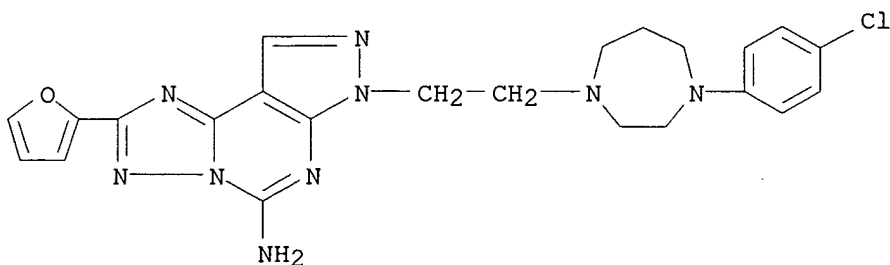
CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
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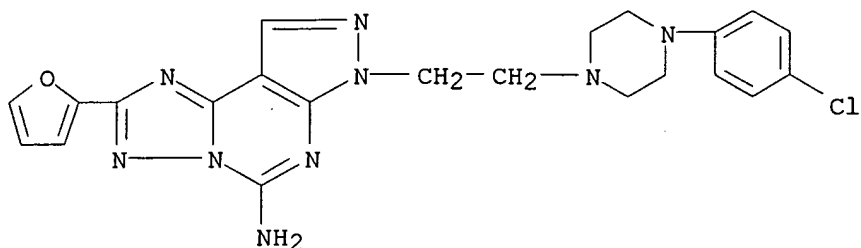
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 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
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 (CA INDEX NAME)



RN 377727-41-8 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
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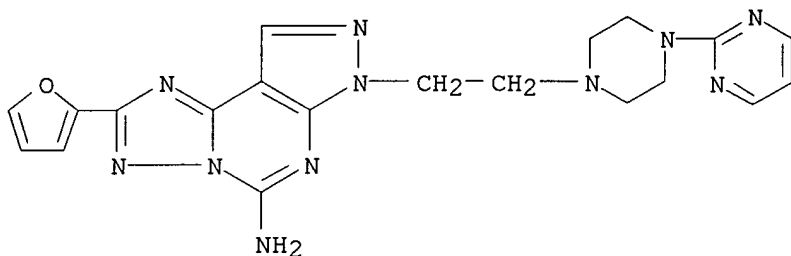


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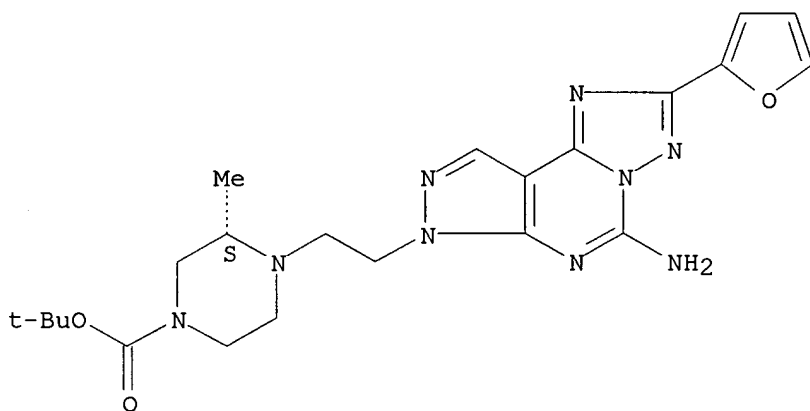
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INDEX NAME)



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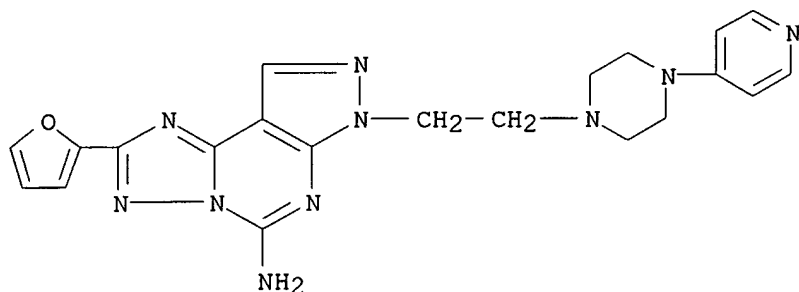
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Absolute stereochemistry.



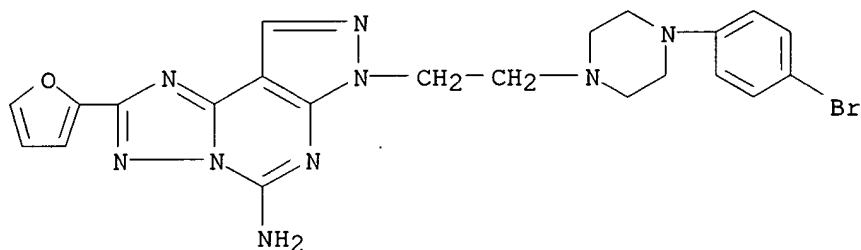
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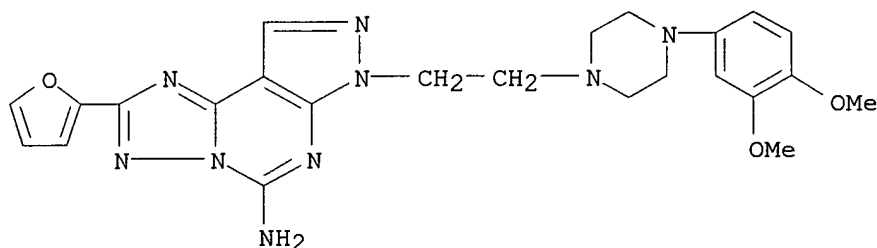
RN 377727-47-4 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(4-bromophenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI) (CA
INDEX NAME)



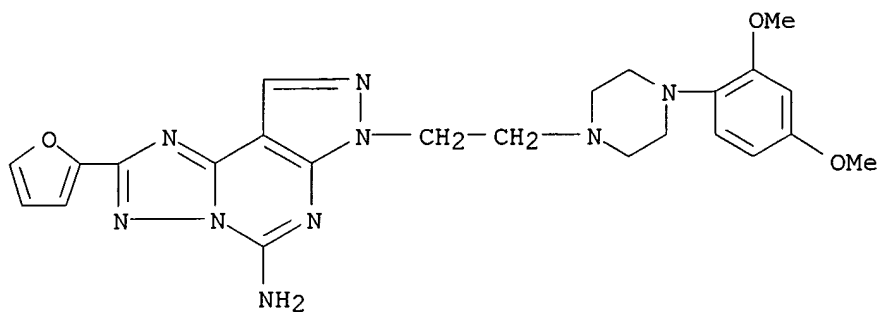
RN 377727-48-5 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(3,4-dimethoxyphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
(CA INDEX NAME)

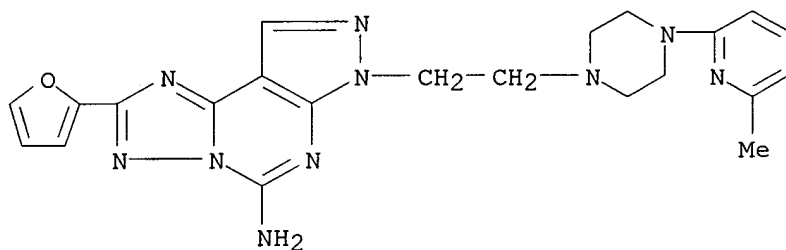


RN 377727-49-6 HCAPLUS

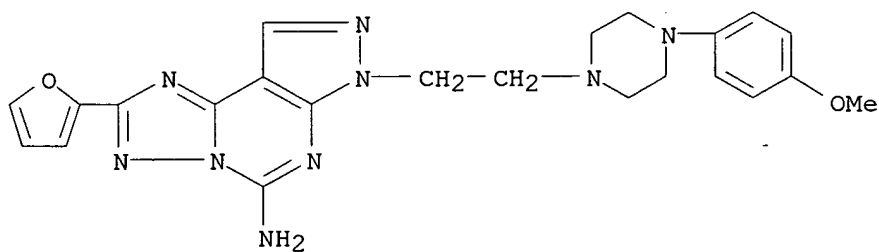
CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(2,4-dimethoxyphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
(CA INDEX NAME)



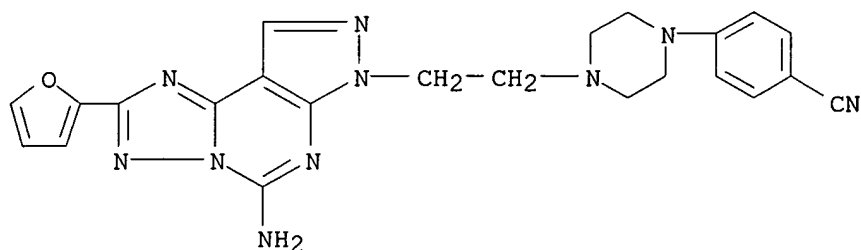
RN 377727-50-9 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(6-methyl-2-pyridinyl)-1-piperazinyl]ethyl]- (9CI)
 (CA INDEX NAME)



RN 377727-51-0 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(4-methoxyphenyl)-1-piperazinyl]ethyl]- (9CI) (CA
 INDEX NAME)

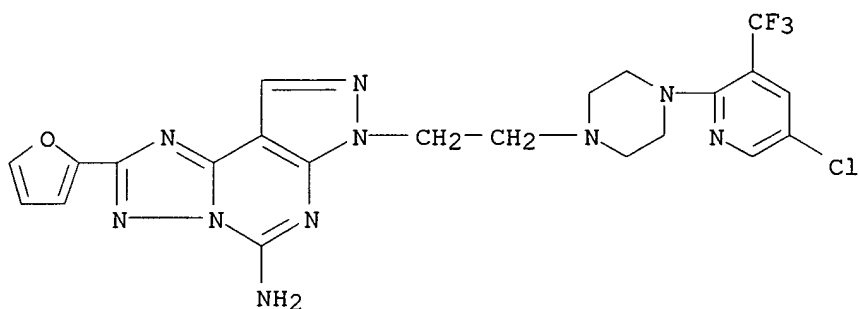


RN 377727-52-1 HCAPLUS
 CN Benzonitrile, 4-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-
 e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]- (9CI) (CA
 INDEX NAME)



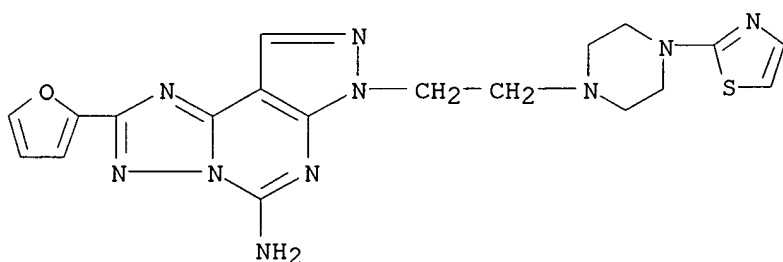
RN 377727-53-2 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-[5-chloro-3-(trifluoromethyl)-2-pyridinyl]-1-piperazinyl]ethyl]-2-
(2-furanyl)- (9CI) (CA INDEX NAME)



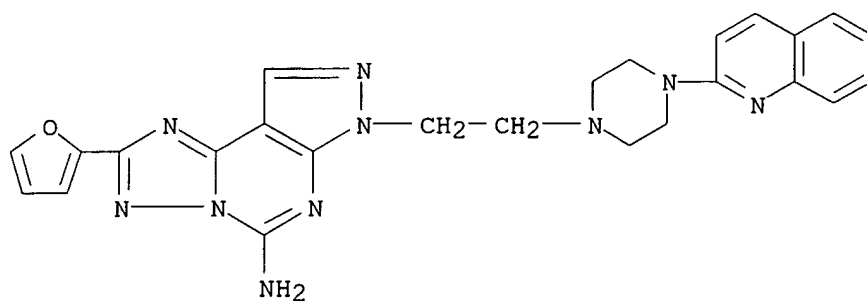
RN 377727-54-3 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-(2-thiazolyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX
NAME)

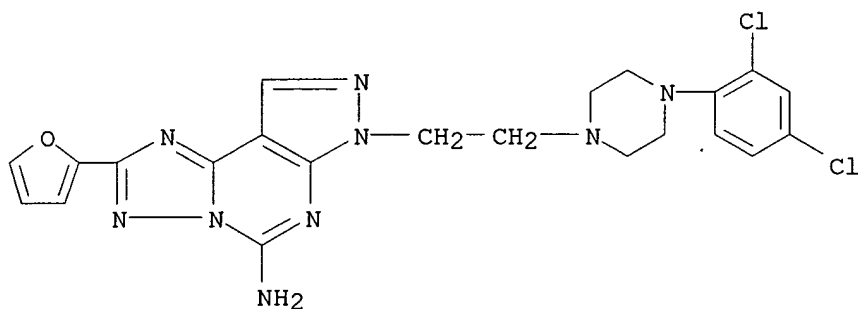


RN 377727-55-4 HCAPLUS

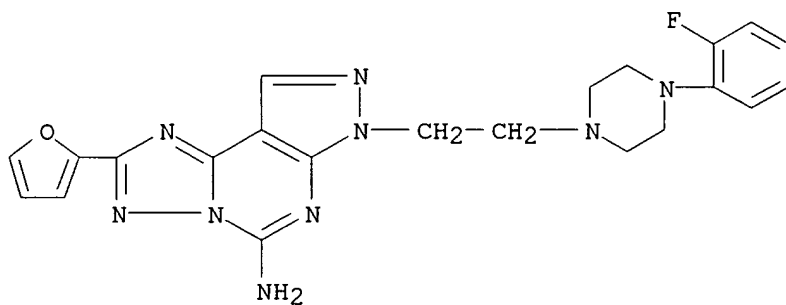
CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-(2-quinolinyl)-1-piperazinyl]ethyl]- (9CI) (CA
INDEX NAME)



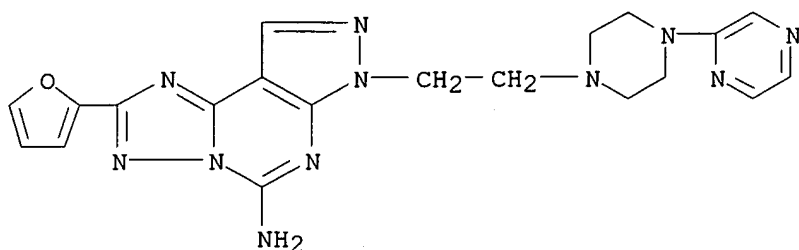
RN 377727-56-5 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2,4-dichlorophenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
 (CA INDEX NAME)



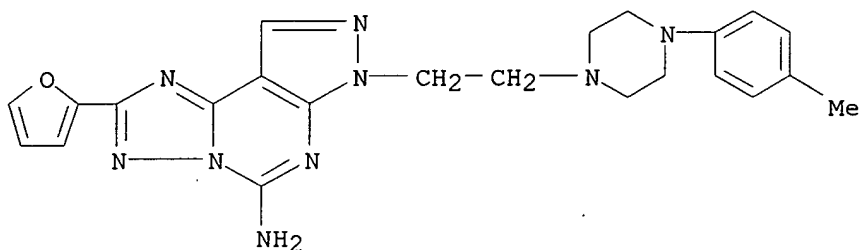
RN 377727-57-6 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2-fluorophenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI) (CA
 INDEX NAME)



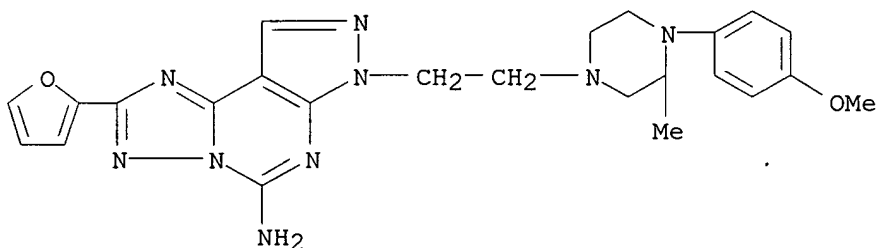
RN 377727-58-7 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-(4-pyrazinyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX
 NAME)



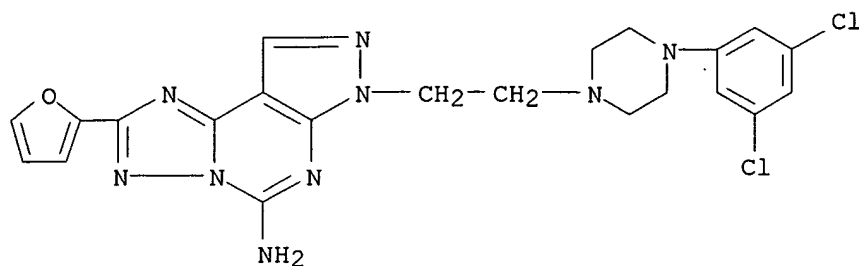
RN 377727-59-8 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(4-methylphenyl)-1-piperazinyl]ethyl]- (9CI) (CA
 INDEX NAME)



RN 377727-60-1 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(4-methoxyphenyl)-3-methyl-1-piperazinyl]ethyl]-
 (9CI) (CA INDEX NAME)

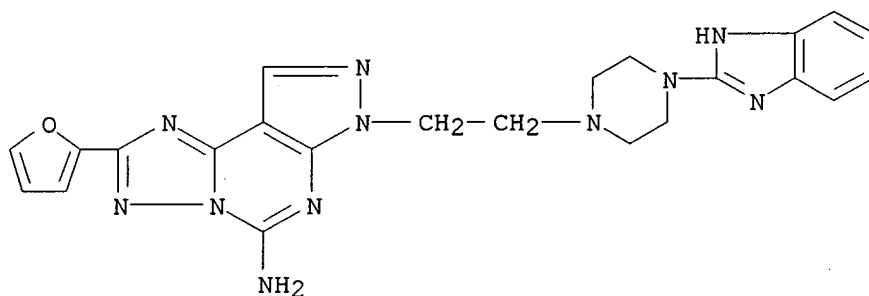


RN 377727-61-2 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(3,5-dichlorophenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
 (CA INDEX NAME)



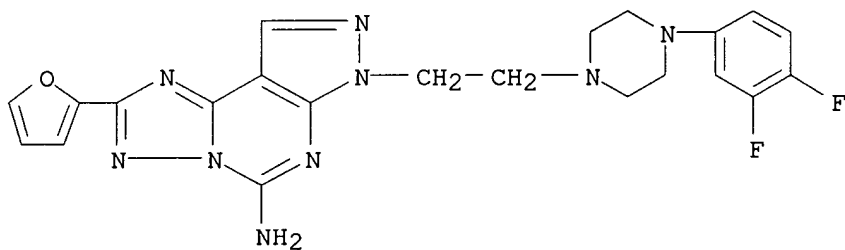
RN 377727-62-3 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(1H-benzimidazol-2-yl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
(CA INDEX NAME)



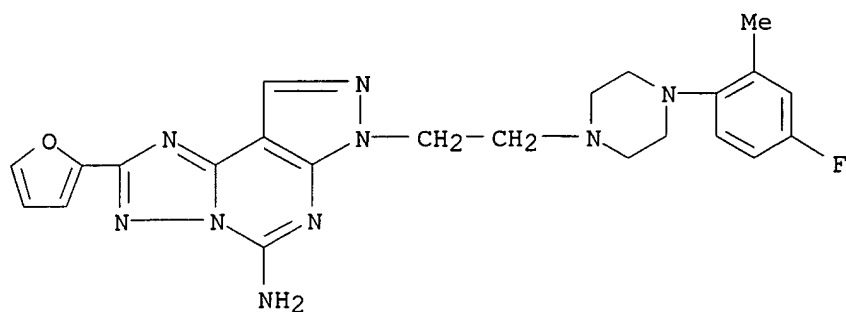
RN 377727-63-4 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(3,4-difluorophenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
(CA INDEX NAME)

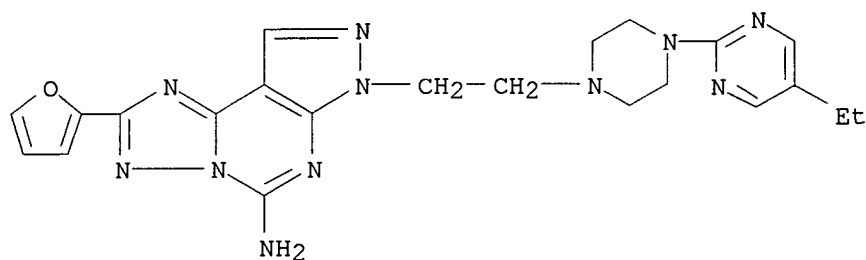


RN 377727-64-5 HCAPLUS

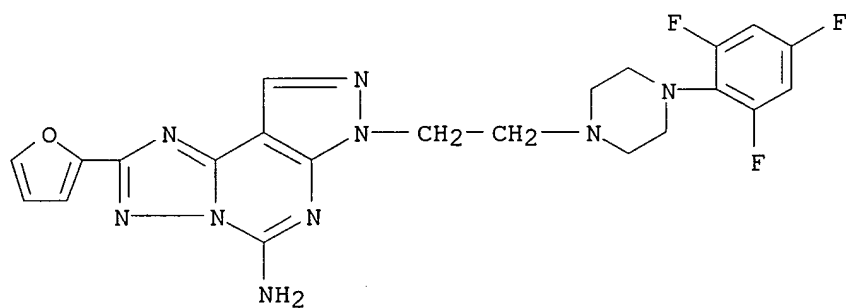
CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(4-fluoro-2-methylphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)-
(9CI) (CA INDEX NAME)



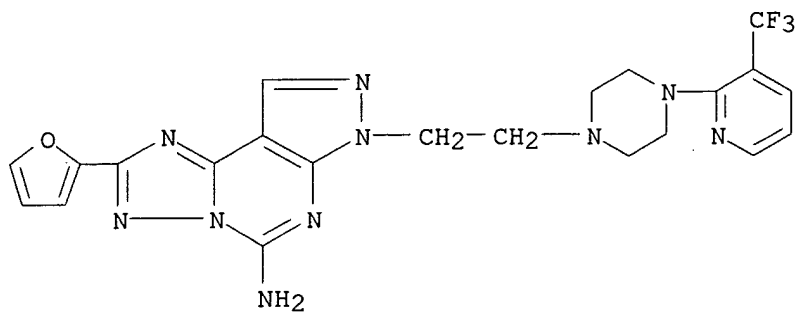
RN 377727-65-6 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(5-ethyl-2-pyrimidinyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
 (CA INDEX NAME)



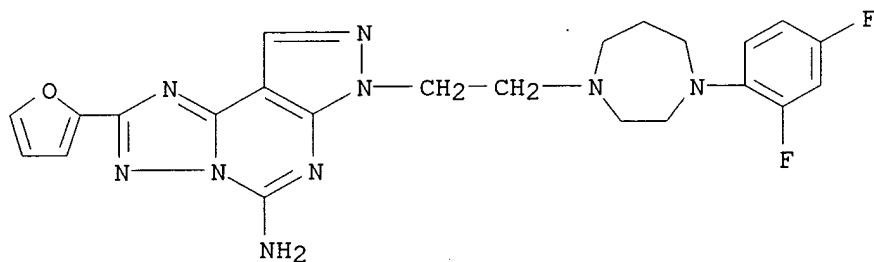
RN 377727-66-7 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(2,4,6-trifluorophenyl)-1-piperazinyl]ethyl]- (9CI)
 (CA INDEX NAME)



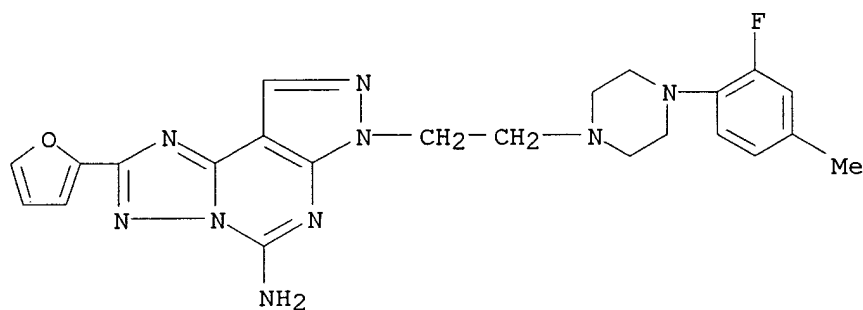
RN 377727-67-8 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-[3-(trifluoromethyl)-2-pyridinyl]-1-
 piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



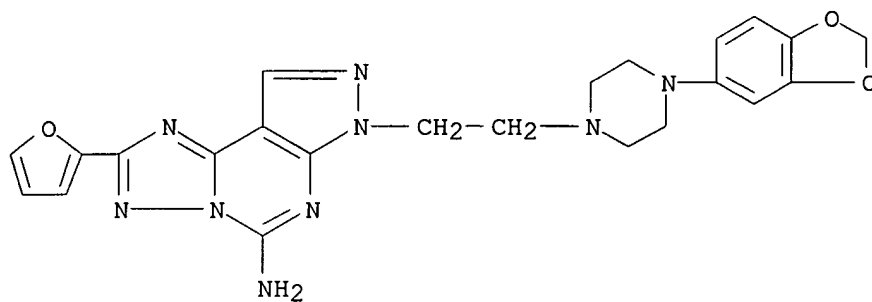
RN 377727-68-9 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2,4-difluorophenyl)hexahydro-1H-1,4-diazepin-1-yl]ethyl]-2-(2-
 furanyl)- (9CI) (CA INDEX NAME)



RN 377727-69-0 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2-fluoro-4-methylphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)-
 (9CI) (CA INDEX NAME)

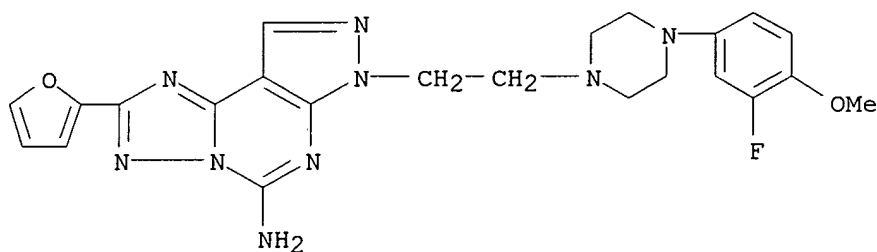


RN 377727-70-3 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(1,3-benzodioxol-5-yl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
 (CA INDEX NAME)



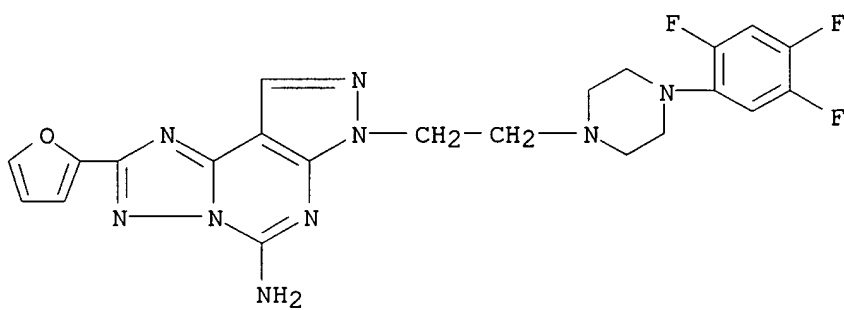
RN 377727-71-4 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(3-fluoro-4-methoxyphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)-
(9CI) (CA INDEX NAME)



RN 377727-72-5 HCAPLUS

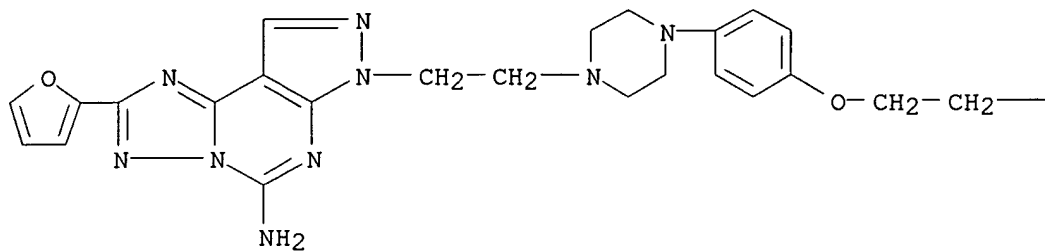
CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-(2,4,5-trifluorophenyl)-1-piperazinyl]ethyl]- (9CI)
(CA INDEX NAME)



RN 377727-73-6 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-[4-[2-(dimethylamino)ethoxy]phenyl]-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI) (CA INDEX NAME)

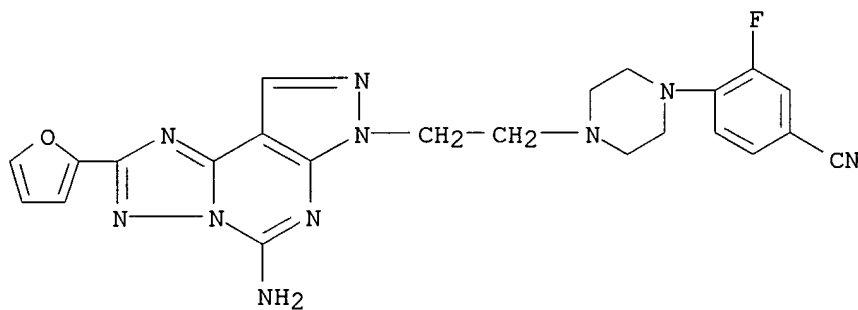
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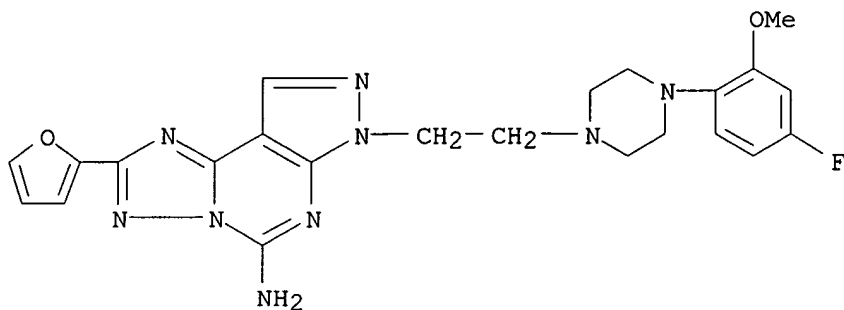
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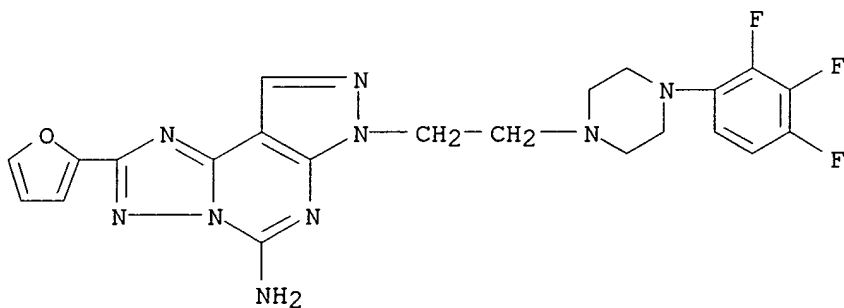
RN 377727-74-7 HCAPLUS
 CN Benzonitrile, 4-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]-3-fluoro-
 (9CI) (CA INDEX NAME)



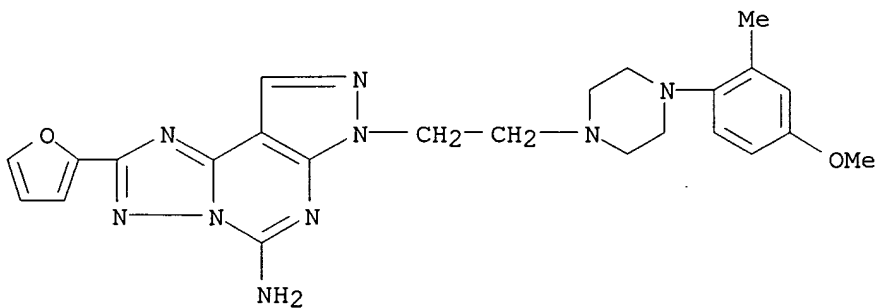
RN 377727-75-8 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(4-fluoro-2-methoxyphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)-
 (9CI) (CA INDEX NAME)



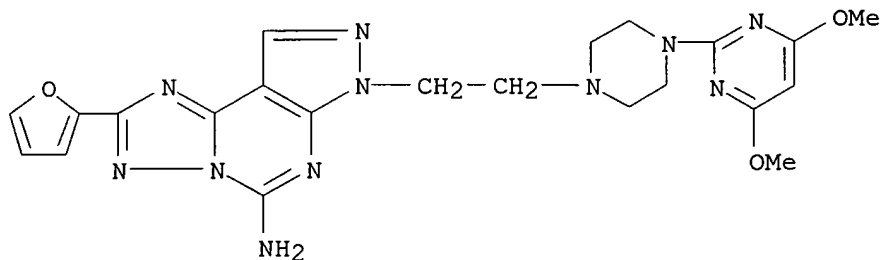
RN 377727-76-9 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(2,3,4-trifluorophenyl)-1-piperazinyl]ethyl]- (9CI)
 (CA INDEX NAME)



RN 377727-77-0 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(4-methoxy-2-methylphenyl)-1-piperazinyl]ethyl]-
 (9CI) (CA INDEX NAME)

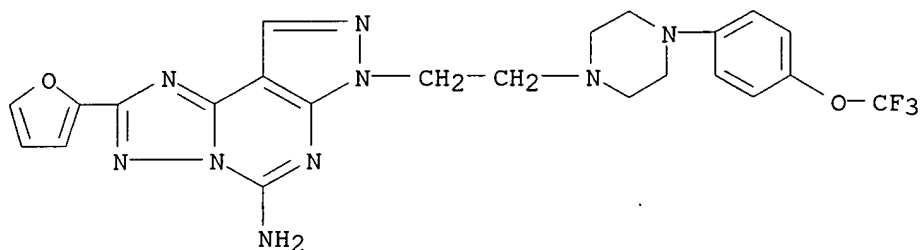


RN 377727-78-1 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(4,6-dimethoxy-2-pyrimidinyl)-1-piperazinyl]ethyl]-2-(2-furanyl)-
 (9CI) (CA INDEX NAME)



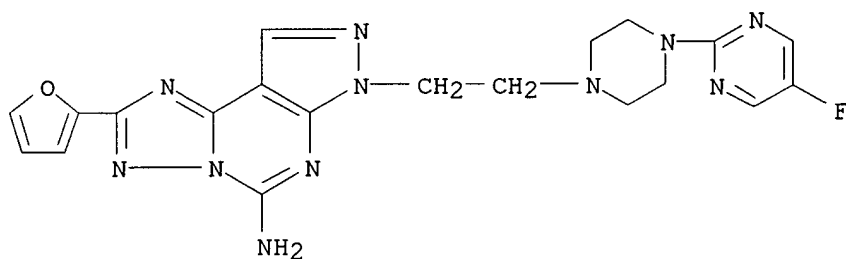
RN 377727-79-2 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-[4-(trifluoromethoxy)phenyl]-1-piperazinyl]ethyl]-
(9CI) (CA INDEX NAME)



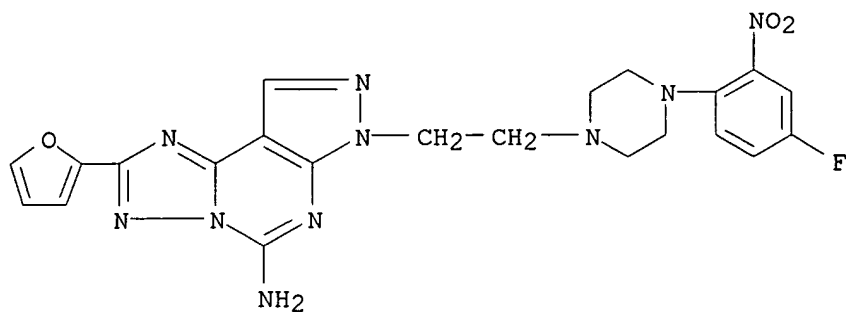
RN 377727-80-5 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(5-fluoro-2-pyrimidinyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
(CA INDEX NAME)



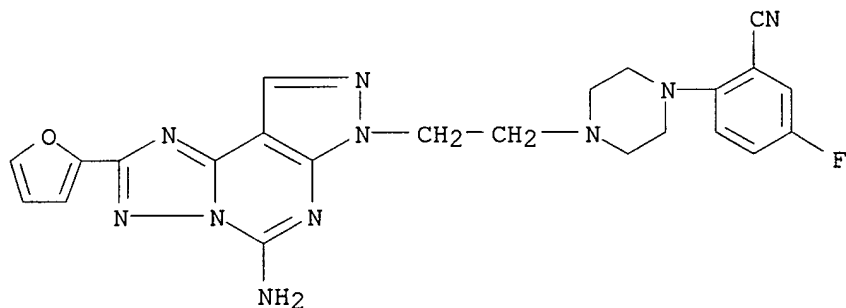
RN 377727-81-6 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(4-fluoro-2-nitrophenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI)
(CA INDEX NAME)



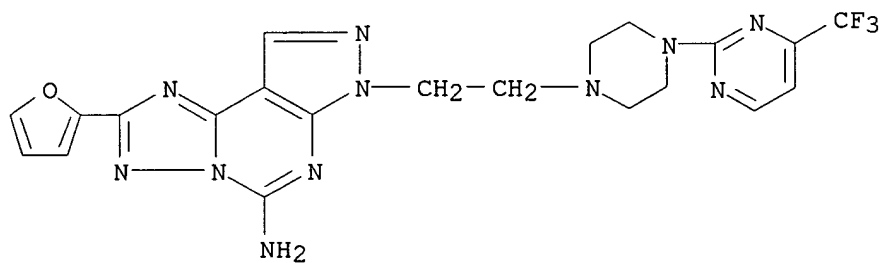
RN 377727-82-7 HCAPLUS

CN Benzonitrile, 2-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]-5-fluoro- (9CI) (CA INDEX NAME)



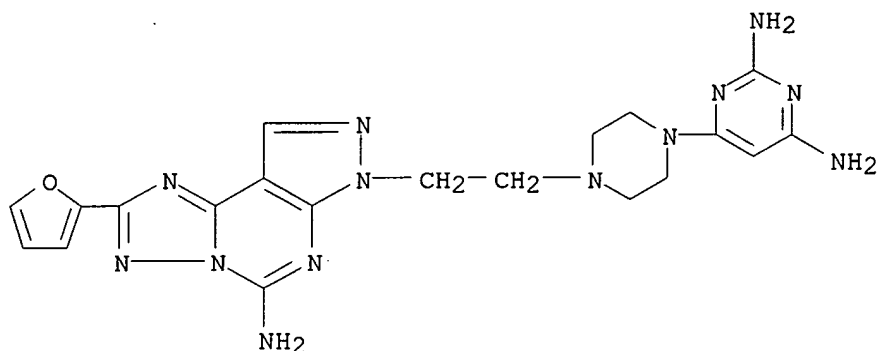
RN 377727-83-8 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine, 2-(2-furanyl)-7-[2-[4-[4-(trifluoromethyl)-2-pyrimidinyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

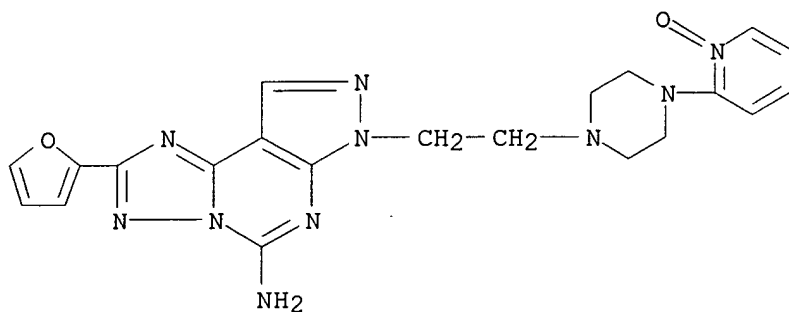


RN 377727-84-9 HCAPLUS

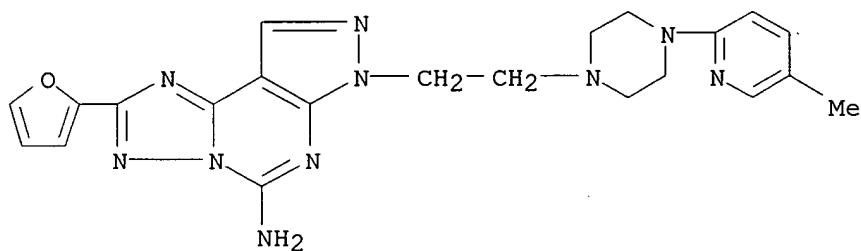
CN 2,4-Pyrimidinediamine, 6-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]- (9CI) (CA INDEX NAME)



RN 377727-85-0 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(1-oxido-2-pyridinyl)-1-piperazinyl]ethyl]- (9CI)
 (CA INDEX NAME)

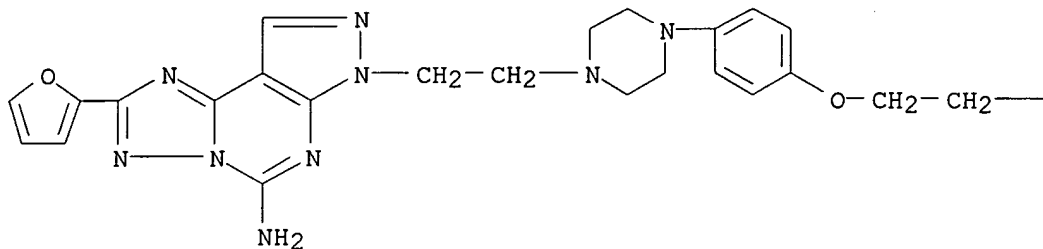


RN 377727-86-1 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(5-methyl-2-pyridinyl)-1-piperazinyl]ethyl]- (9CI)
 (CA INDEX NAME)



RN 377727-87-2 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-[4-(2-methoxyethoxy)phenyl]-1-piperazinyl]ethyl]-
 (9CI) (CA INDEX NAME)

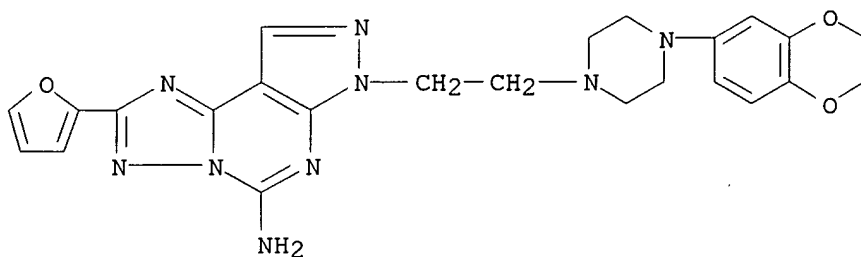
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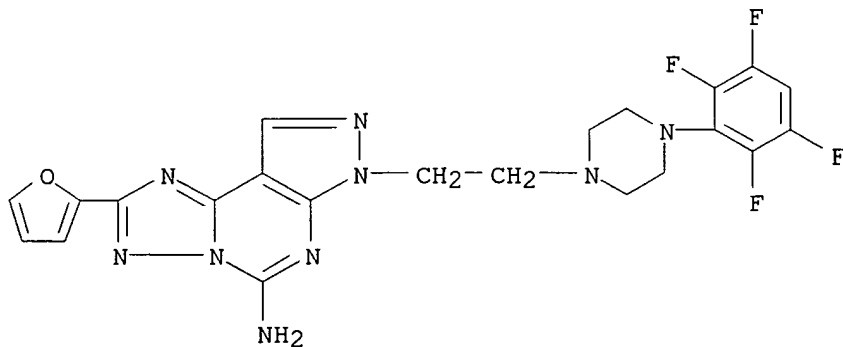
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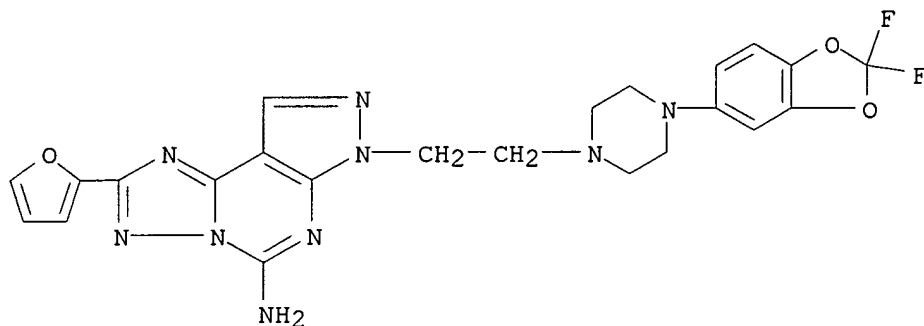
RN 377727-88-3 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2,3-dihydro-1,4-benzodioxin-6-yl)-1-piperazinyl]ethyl]-2-(2-
 furanyl)- (9CI) (CA INDEX NAME)



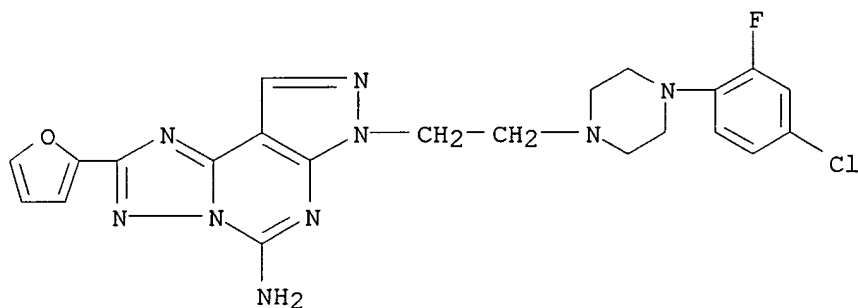
RN 377727-89-4 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(2,3,5,6-tetrafluorophenyl)-1-piperazinyl]ethyl]-
 (9CI) (CA INDEX NAME)



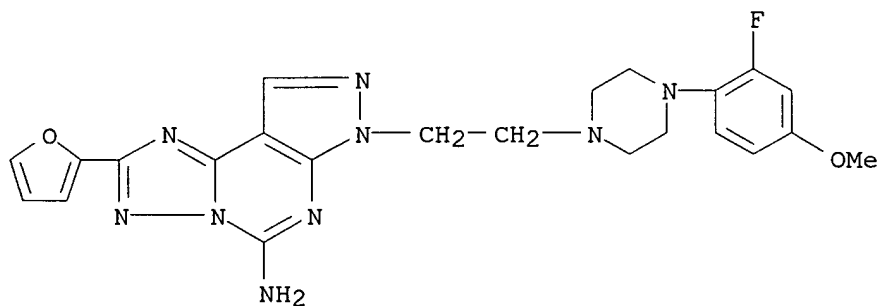
RN 377727-90-7 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2,2-difluoro-1,3-benzodioxol-5-yl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI) (CA INDEX NAME)



RN 377727-91-8 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(4-chloro-2-fluorophenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI) (CA INDEX NAME)

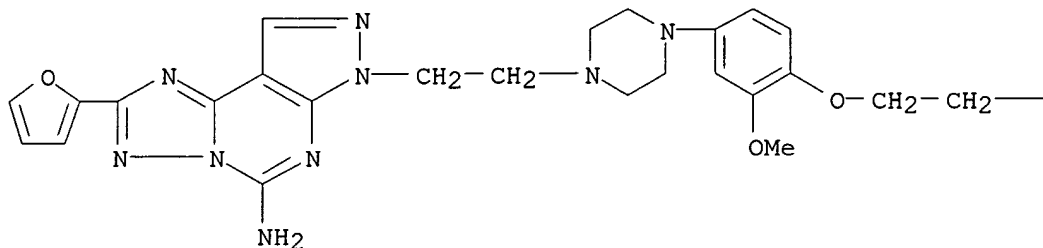


RN 377727-92-9 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2-fluoro-4-methoxyphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI) (CA INDEX NAME)



RN 377727-93-0 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-[3-methoxy-4-(2-methoxyethoxy)phenyl]-1-
 piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

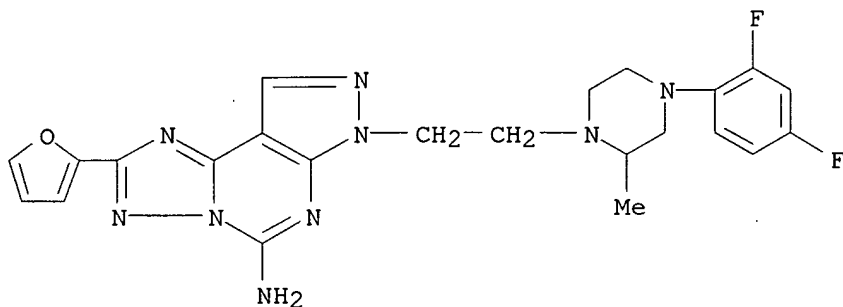
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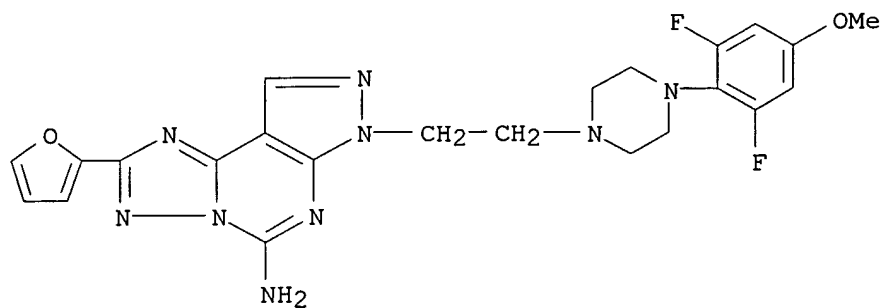
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— OMe

RN 377727-94-1 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2,4-difluorophenyl)-2-methyl-1-piperazinyl]ethyl]-2-(2-furanyl)-
 (9CI) (CA INDEX NAME)

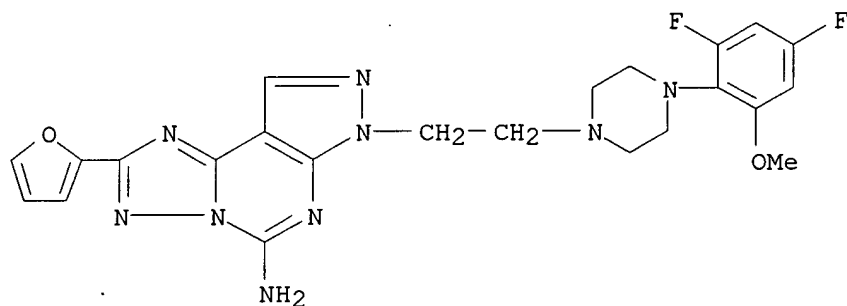


RN 377727-95-2 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-(2,6-difluoro-4-methoxyphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)-
 (9CI) (CA INDEX NAME)



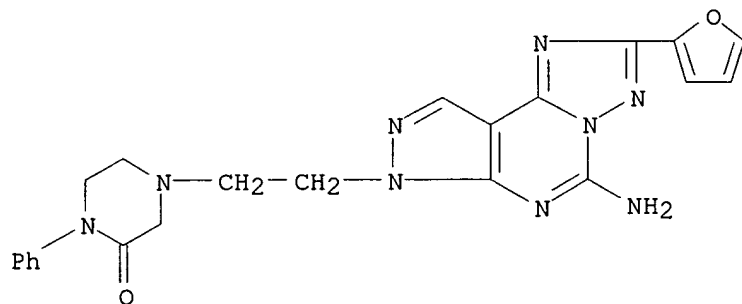
RN 377727-96-3 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(2,4-difluoro-6-methoxyphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)-
(9CI) (CA INDEX NAME)



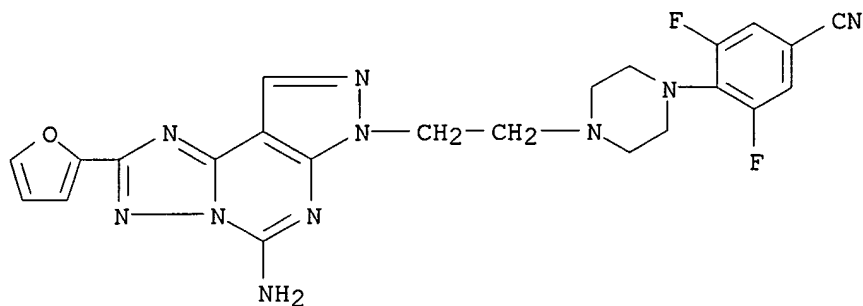
RN 377727-97-4 HCAPLUS

CN Piperazinone, 4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-
e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-phenyl- (9CI) (CA INDEX
NAME)



RN 377727-98-5 HCAPLUS

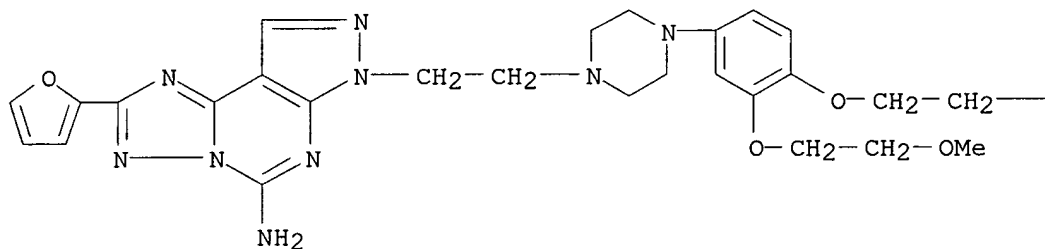
CN Benzonitrile, 4-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-
e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]-3,5-difluoro-
(9CI) (CA INDEX NAME)



RN 377727-99-6 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-[3,4-bis(2-methoxyethoxy)phenyl]-1-piperazinyl]ethyl]-2-(2-
furanyl)- (9CI) (CA INDEX NAME)

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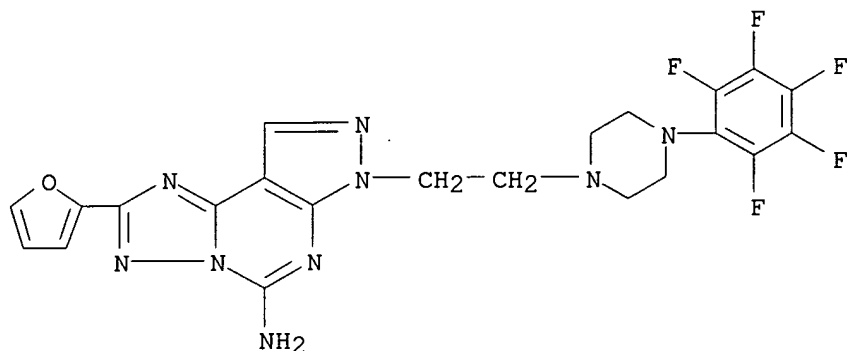


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— OMe

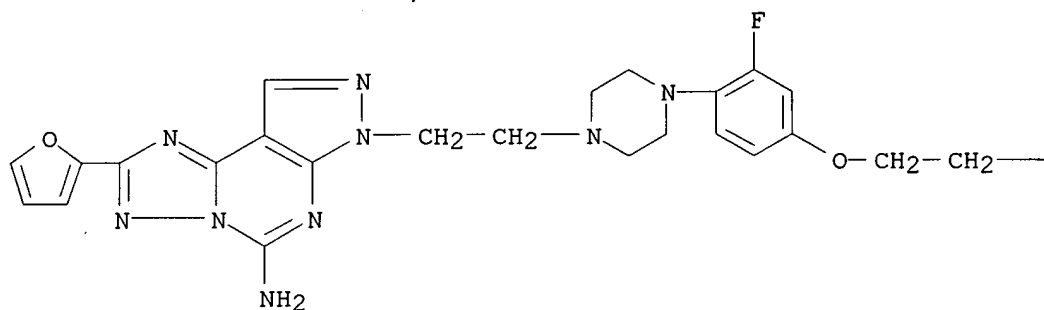
RN 377728-00-2 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-(pentafluorophenyl)-1-piperazinyl]ethyl]- (9CI) (CA
INDEX NAME)



RN 377728-01-3 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-[2-fluoro-4-(2-methoxyethoxy)phenyl]-1-piperazinyl]ethyl]-2-(2-
 furanyl)- (9CI) (CA INDEX NAME)

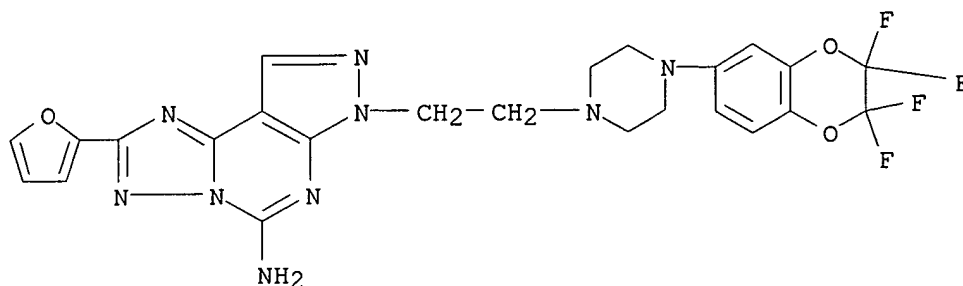
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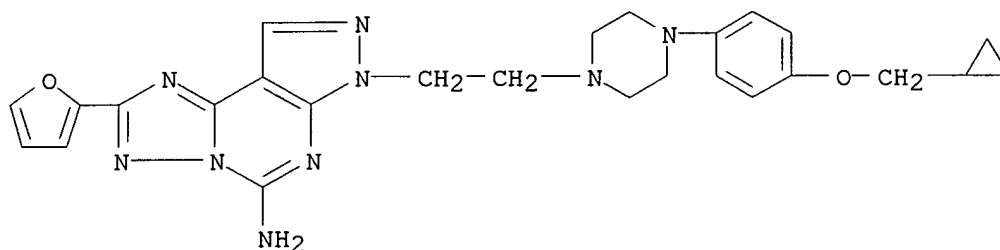
— OMe

RN 377728-02-4 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-(2,2,3,3-tetrafluoro-2,3-dihydro-1,4-benzodioxin-6-
 yl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



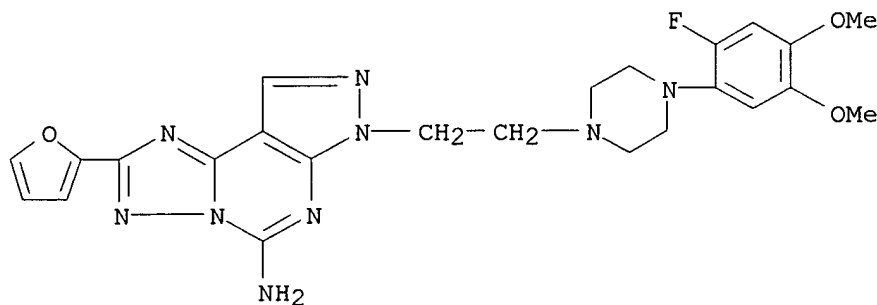
RN 377728-03-5 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-[4-(cyclopropylmethoxy)phenyl]-1-piperazinyl]ethyl]-2-(2-furanyl)-
(9CI) (CA INDEX NAME)



RN 377728-04-6 HCAPLUS

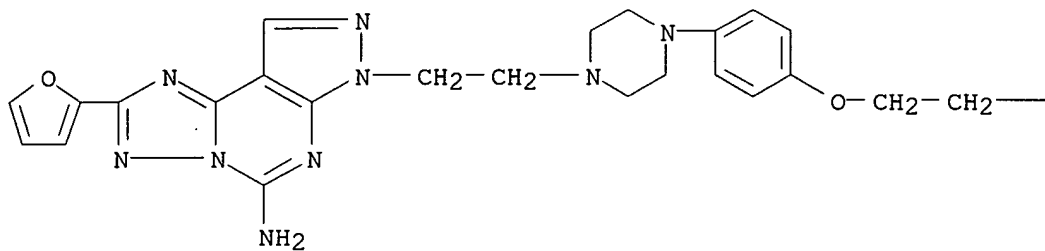
CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
7-[2-[4-(2-fluoro-4,5-dimethoxyphenyl)-1-piperazinyl]ethyl]-2-(2-furanyl)-
(9CI) (CA INDEX NAME)



RN 377728-05-7 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-[4-[2-(1-methylethoxy)ethoxy]phenyl]-1-piperazinyl]ethyl]-
(9CI) (CA INDEX NAME)

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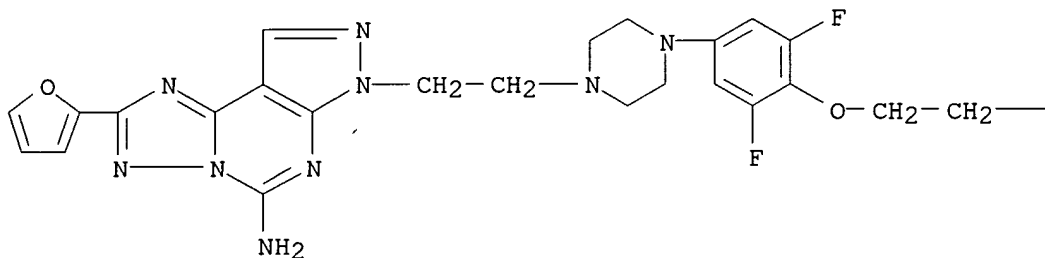


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— OPr-i

RN 377728-06-8 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-[3,5-difluoro-4-(2-methoxyethoxy)phenyl]-1-piperazinyl]ethyl]-2-(2-
 furanyl)- (9CI) (CA INDEX NAME)

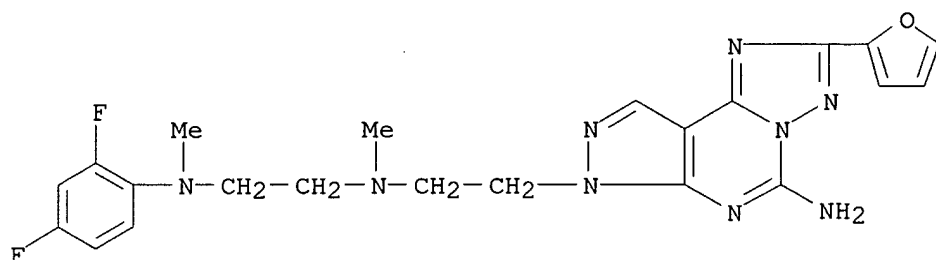
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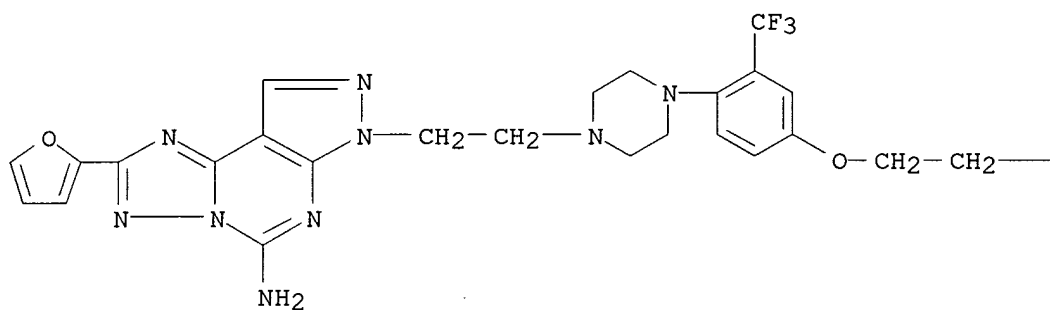
— OMe

RN 377728-07-9 HCAPLUS
 CN 1,2-Ethanediamine, N-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-
 e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-N'-(2,4-difluorophenyl)-N,N'-
 dimethyl- (9CI) (CA INDEX NAME)



RN 377728-09-1 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-[4-(2-methoxyethoxy)-2-(trifluoromethyl)phenyl]-1-
 piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

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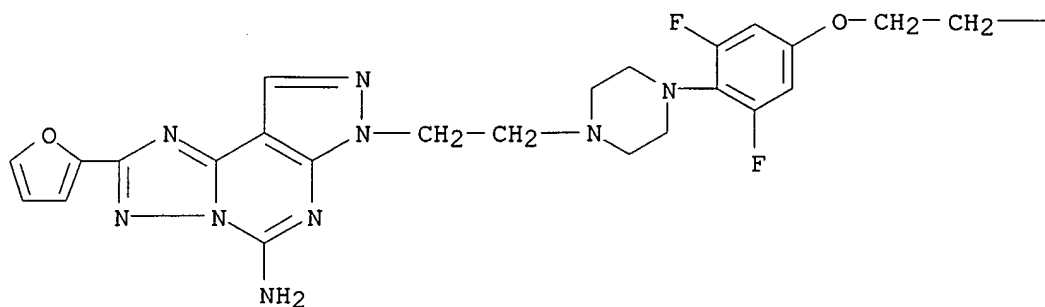


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— OMe

RN 377728-10-4 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-[2,6-difluoro-4-(2-methoxyethoxy)phenyl]-1-piperazinyl]ethyl]-2-(2-
 furanyl)- (9CI) (CA INDEX NAME)

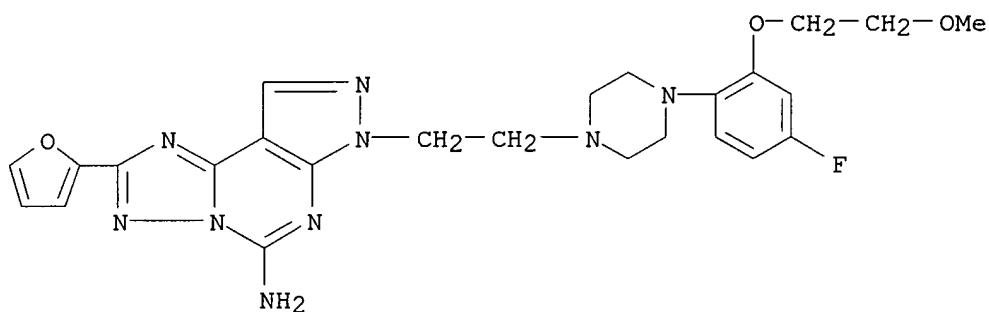
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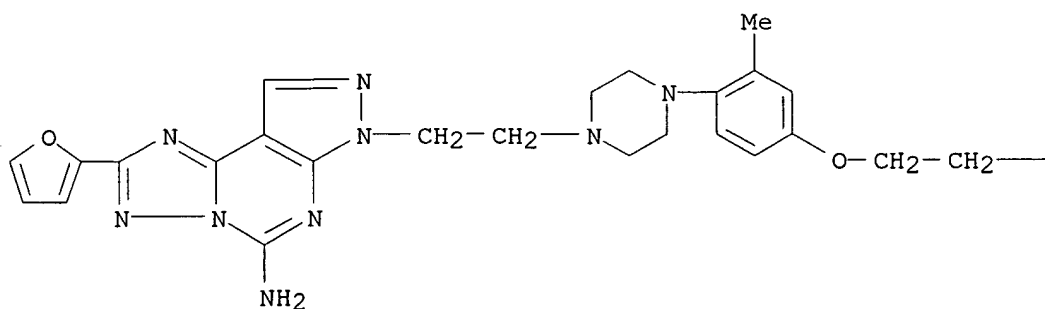
— OMe

RN 377728-11-5 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-[4-fluoro-2-(2-methoxyethoxy)phenyl]-1-piperazinyl]ethyl]-2-(2-
 furanyl)- (9CI) (CA INDEX NAME)



RN 377728-12-6 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-[4-(2-methoxyethoxy)-2-methylphenyl]-1-
 piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

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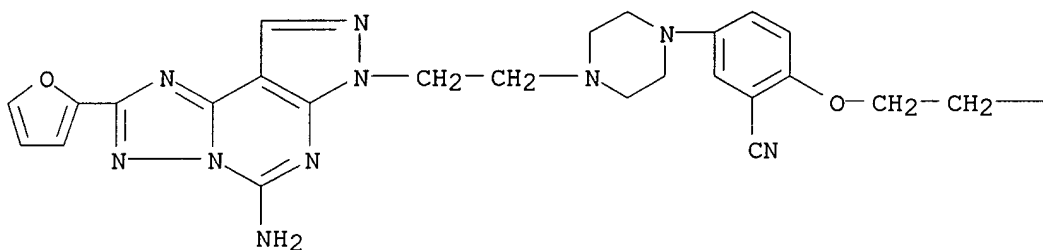
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— OMe

RN 377728-13-7 HCAPLUS

CN Benzonitrile, 5-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]-2-(2-methoxyethoxy)- (9CI) (CA INDEX NAME)

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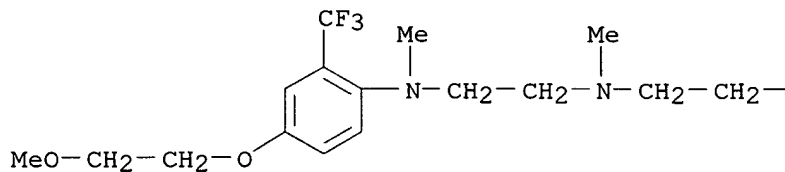
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— OMe

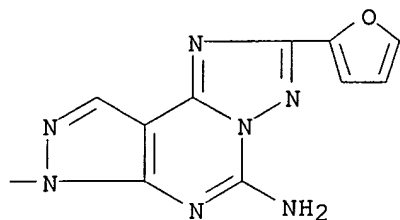
RN 377728-14-8 HCAPLUS

CN 1,2-Ethanediamine, N-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-N'-[4-(2-methoxyethoxy)-2-(trifluoromethyl)phenyl]-N,N'-dimethyl- (9CI) (CA INDEX NAME)

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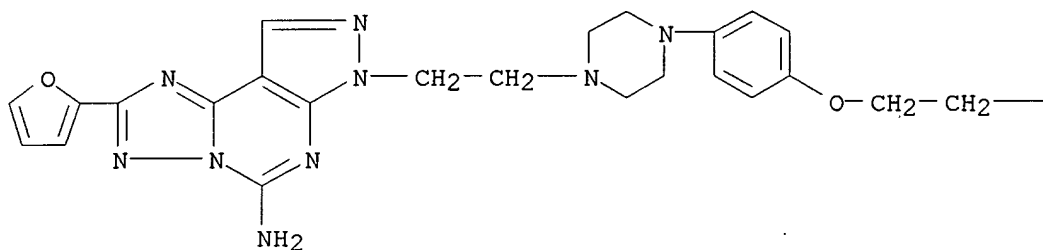


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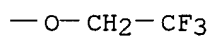


RN 377728-15-9 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-[4-(2-(2,2,2-trifluoroethoxy)ethoxy)phenyl]-1-
 piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

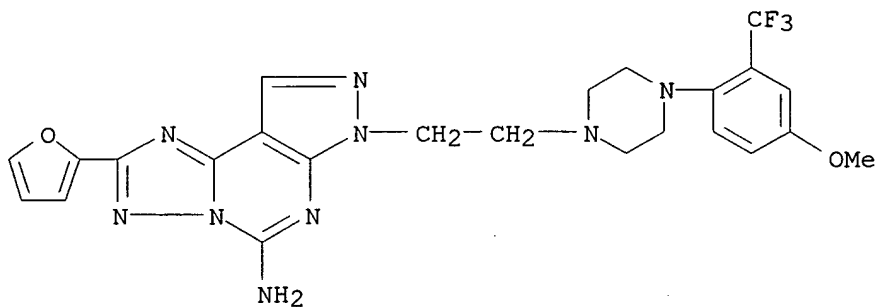
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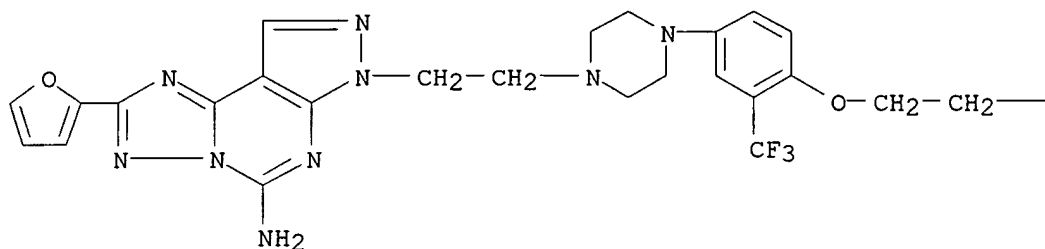
RN 377728-16-0 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 2-(2-furanyl)-7-[2-[4-[4-methoxy-2-(trifluoromethyl)phenyl]-1-
 piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 377728-17-1 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-[4-(2-methoxyethoxy)-3-(trifluoromethyl)phenyl]-1-
piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

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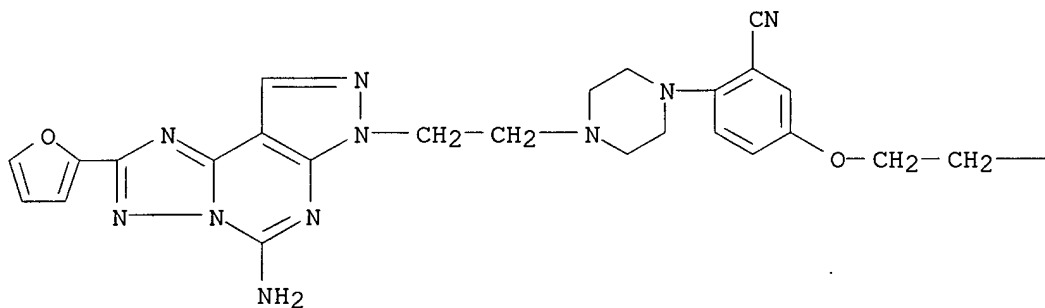


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— OMe

RN 377728-18-2 HCAPLUS
CN Benzonitrile, 2-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-
e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]-5-(2-
methoxyethoxy)- (9CI) (CA INDEX NAME)

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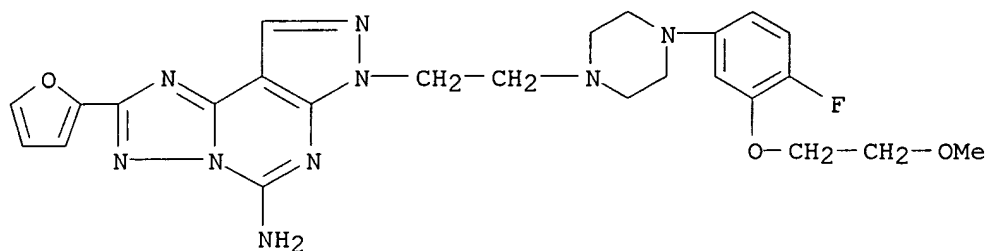


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— OMe

RN 377728-19-3 HCAPLUS
CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,

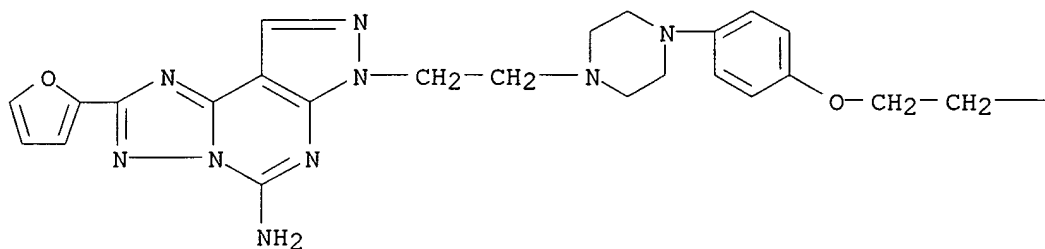
7-[2-[4-[4-fluoro-3-(2-methoxyethoxy)phenyl]-1-piperazinyl]ethyl]-2-(2-furanyl)- (9CI) (CA INDEX NAME)



RN 377728-20-6 HCAPLUS

CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-[4-[2-(2-methoxyethoxy)ethoxy]phenyl]-1-
piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

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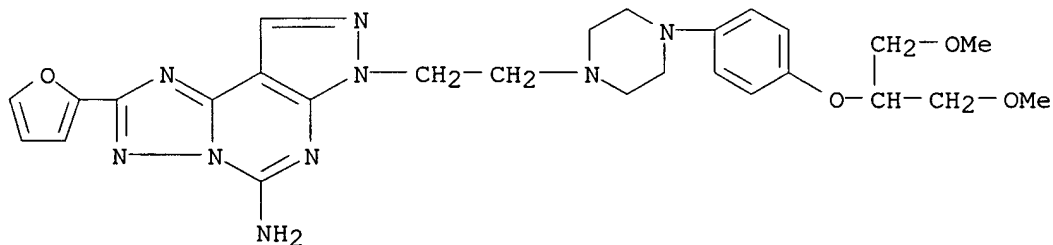


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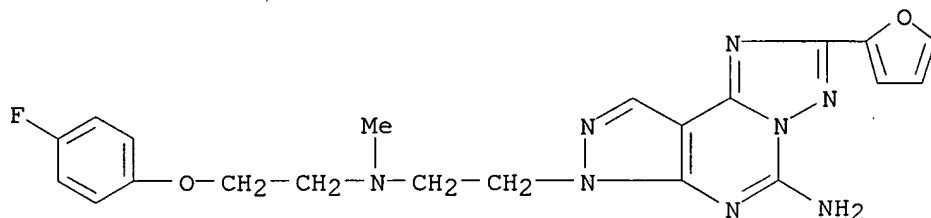
— O—CH₂—CH₂—OMe

RN 377728-21-7 HCAPLUS

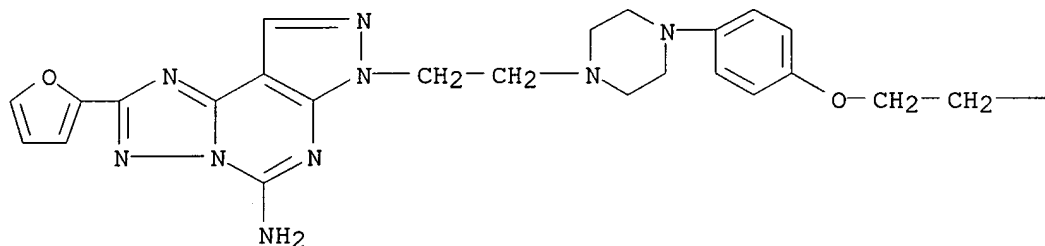
CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
2-(2-furanyl)-7-[2-[4-[4-[2-methoxy-1-(methoxymethyl)ethoxy]phenyl]-1-
piperazinyl]ethyl]- (9CI) (CA INDEX NAME)



RN 377728-22-8 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidine-7-ethanamine,
 5-amino-N-[2-(4-fluorophenoxy)ethyl]-2-(2-furanyl)-N-methyl- (9CI) (CA
 INDEX NAME)



RN 377728-23-9 HCAPLUS
 CN 7H-Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine,
 7-[2-[4-[4-(2-ethoxyethoxy)phenyl]-1-piperazinyl]ethyl]-2-(2-furanyl)-
 (9CI) (CA INDEX NAME)



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—OEt

RN 377728-24-0 HCAPLUS
 CN Acetic acid, [4-[4-[2-[5-amino-2-(2-furanyl)-7H-pyrazolo[4,3-
 e][1,2,4]triazolo[1,5-c]pyrimidin-7-yl]ethyl]-1-piperazinyl]phenoxy]-,
 ethyl ester (9CI) (CA INDEX NAME)